

## **ABSTRACT**

A train control system requires a train operator to enter signal aspect information at each wayside signal position on a railroad and stops the train if the operator fails to enter aspect information without communicating with the wayside signal device to verify that the information entered by the operator is correct. In some embodiments, the signal aspect information is entered by pressing a button corresponding to the signal aspect information, and the location and/or arrangement of the buttons changes. Alternatively, the operator must repeat a varying sequence (such as a series of button pushes) in conjunction with and/or in addition to entering signal aspect information.